Response to the Office Action of June 4, 2004

Amendments to the Specification

Amend the paragraph on page 18, lines 5 through 29 to read as follows:

The backlight device 107 includes a light guide plate 508 tapered or wedged, similarly to

the light guide plate 506 shown in FIGURES 4A and 4B. The top portion of the light guide plate

508 has the largest thickness of about 3 mm, and the thinnest, bottom portion has a thickness of

about 1.5 mm. On top of the light guide plate 508, the cold cathode fluorescent lamp 10 light bar

guide 44 is disposed and the light scattering, light guide bar 44 is also disposed behind the lamp

10. An LED 32 is disposed at the right end of the cold cathode fluorescent lamp 10, and an LED

34 is disposed at the left end of the cold cathode fluorescent lamp 10 light bar guide 44. In the

upper surface of the light guide bar 44, a plurality of grooves 41 similar to the grooves 41 in the

bar 44 shown in FIGURES 4A and 4B, extending in the Z direction are arranged in the Y

direction. The cold cathode fluorescent lamp 10 is enclosed in a cover formed of reflecting

plates 16 which is similar to the cover shown in FIGURES 4A and 4B, and the LED's 32 and 34

are enclosed in covers formed of reflecting plates 36 like the ones shown in FIGURES 4A and

4B. The left and right side and bottom surfaces of the light guide plate 508 are covered with

reflecting sheets 58. The upper, front and rear surfaces of the light guide bar 44 are also covered

with the reflecting sheets 58.

Amend the paragraph on page 19, lines 21 - 27 to read as follows:

FIGURES 6A, 6B and 6C illustrate a liquid crystal display device with a backlight device

109 in accordance with a still further embodiment of the invention. FIGURE 6A is a front view

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of the liquid crystal display device including the backlight device 109. FIGURES 6B and 6[[B]]

C are right side and bottom views, respectively, of the liquid crystal display device of FIGURE

6A.

**Amend** the paragraph on page 21, lines 19-25 to read as follows:

FIGURES 7A, 7B and 7C illustrate a liquid crystal display device with a backlight device 111 in

accordance with a still further embodiment of the invention. FIGURE 7A is a front view of the liquid crystal

display device including the backlight device 111. FIGURES 7B and 7[[B]]  $\underline{C}$  are right side and bottom views,

respectively, of the liquid crystal display device of FIGURE 7A.

Amend the paragraph on page 22, lines 35 through page 23, line 6 to read as follows:

FIGURES 8A, 8B and 8C illustrate a liquid crystal display device with a backlight device

113 in accordance with a still further embodiment of the invention. FIGURE 8A is a front view

of the liquid crystal display device including the backlight device 113. FIGURES 8B and 8[[B]]

C are right side and bottom views, respectively, of the liquid crystal display device of FIGURE

8A. A liquid crystal panel 54 disposed in front of the backlight device 113 is not shown in

FIGURE 8C.

Amend the paragraph on page 26, line2 10 - 23 to read as follows:

FIGURES 11A and 11B illustrate a liquid crystal display device with a backlight device

119 in accordance with a still further embodiment of the invention. FIGURE 11A is a front view

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of the liquid crystal display device including the backlight device 119. FIGURES 11B is a right

side view of the liquid crystal display device of FIGURE 11A. The backlight device 119 is the

same as the backlight device 105 shown in FIGURES 4A and 4B, except that the backlight

device 119 includes a plurality of LED's 12 disposed at the right end of the light guide bar 44

and a plurality of LED's 34 disposed at the left end of the light guide bar 44. The backlight

device 119 can provide[[d]] increased brightness by the use of plural LED's 32 and 34.

Amend the paragraph on page 26, line 26 through page 27, line 24 to read as follows:

FIGURES 12A, 12B and 12C illustrate a liquid crystal display device with a backlight

device 121 in accordance with a still further embodiment of the invention. FIGURE 12A is a

front view of the liquid crystal display device including the backlight device 121. FIGURES

12B and 12[[B]] C are right side and bottom views, respectively, of the liquid crystal display

device of FIGURE 12A. The backlight device 121 is similar to the backlight device 109 shown

in FIGURES 6A, 6B and 6C, except that a combination of LED's 32 and 34 and a light guide bar

44 is disposed on top of the light guide plate 510 in place of the cold cathode fluorescent lamp 10

and that two cold cathode fluorescent lamps 10 and 11 are disposed on the right and left side

surfaces, respectively, of the light guide plate 510 in place of the combination of the LED's 32

and 34 with the light guide bar 44 and the combination of the LED's 33 and 35 with the light

guide bar 47.

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